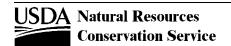
Table H. - Engineering Index Properties

Mathews County, Virginia

Absence of an entry indicates that the data were not estimated.

Mars Ormshall			Class	ification	Frag	ments	Per	cent Passin	g Sieve Nun	nber	Limital	Disabiate
Map Symbol and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Liquid Limit	Plasticity Index
	In	•		•	Pct	Pct		•	•	•	Pct	
Be:												
Bertie	0-10	Fine Sandy Loam Very Fine Sandy Loam Sandy Loam Loam	ML SC-SM SM	A-2 A-4	0	0	100	100	60-95	30-65	15-25	2-7
	10-37	Loam Sandy Loam Clay Loam Sandy Clay Loam	CL CL-ML SC SC-SM	A-2 A-4 A-6	0	0	100	100	60-100	30-80	23-38	6-14
	37-64	Loamy Sand Fine Sandy Loam Fine Sand Sandy Loam Loamy Fine Sand	SC-SM SM	A-2 A-4	0	0	100	100	50-85	15-55	10-25	NP-7
Dragston												
Fallsington												
Cb: Coastal beach												
Tidal Marsh												

Dr:



Mathews County, Virginia

Man Comphal			Classi	fication	Fragi	ments	Per	cent Passin	g Sieve Nun	nber	Liannial	Diestisit
Map Symbol and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	- Liquid Limit	Plasticity Index
	In	•	•		Pct	Pct		•			Pct	
Dr:												
Dragston	0-8	Loamy Fine Sand Fine Sandy Loam	CL-ML SC-SM SM	A-2 A-4	0	0	100	100	70-85	28-55	11-20	NP-4
	8-25	Sandy Clay Loam Loam Sandy Loam Fine Sandy Loam	CL-ML SC SC-SM SM	A-2 A-4	0	0	100	100	60-90	30-55	16-34	2-12
	25-75	Fine Sandy Loam Loamy Sand Sand Sandy Loam	SC-SM SM SP-SM	A-2 A-3	0	0	100	100	50-85	5-55	9-23	NP-6
Bertie												
Fallsington												
Ek:												
Elkton	0-8	Very Fine Sandy Loam Silt Loam	CL-ML ML	A-4	0	0	100	100	85-100	50-95	17-30	2-10
	8-47	Silty Clay Clay Silty Clay Loam	CL	A-6	0	0	100	100	90-100	75-95	31-61	10-27
	47-79	Very Fine Sandy Loam Sandy Clay Loam Sand Sandy Loam	CL ML SC SP-SC	A-2 A-4	0	0	100	100	50-95	5-65	9-34	NP-12
Bertie												
Fallsington												

Fa:



Mathews County, Virginia

Man Symbol			Classi	fication	Fragr	nents	Per	cent Passin	g Sieve Nun	nber	Liquid	Disstinity
Map Symbol and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Liquid Limit	Plasticity Index
	In	•	•		Pct	Pct	•	•	•	•	Pct	
Fa:												
Fallsington	0-8	Fine Sandy Loam Sandy Loam Sandy Clay Loam	CL-ML ML SC-SM SM	A-2 A-4	0	0	100	100	60-90	30-55	12-30	NP-10
	8-37	Fine Sandy Loam Sandy Clay Loam Loam Sandy Loam	CL SC	A-2 A-4 A-6	0	0	100	100	60-90	30-55	23-34	6-12
	37-93	Sand Fine Sandy Loam Loamy Fine Sand Loamy Sand	CL CL-ML SC SM SP-SM	A-2 A-3 A-4	0	0	100	100	50-85	5-55	9-34	NP-12
Elkton												
Bertie												
Dragston												

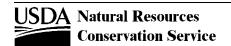
KeA:



Mathews County, Virginia

Man Cumbal			Classi	fication	Fragr	nents	Per	cent Passin	g Sieve Nun	nber	Liquid	Plasticity
Map Symbol and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Liquid Limit	Index
-	In	•		•	Pct	Pct	•	•	•	•	Pct	
KeA:												
Kempsville	0-11	Loamy Fine Sand Fine Sandy Loam	CL-ML ML SC-SM SM	A-2 A-4	0	0	100	100	70-85	28-55	12-20	NP-4
	11-40	Sandy Clay Loam Loam Fine Sandy Loam Sandy Loam	CL ML SC SC-SM SM	A-2 A-4	0	0	100	100	60-90	30-55	18-38	3-14
	40-79	Sandy Loam Loamy Sand Sand Loamy Fine Sand Fine Sandy Loam Fine Sand	ML SM	A-2	0	0	100	100	50-85	5-55	9-25	NP-7
Sassafras												
Woodstown												

KeB:



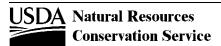
Mathews County, Virginia

Map Symbol			Classi	fication	Fragr	nents	Per	cent Passin	g Sieve Nun	nber	Liquid	Plasticity
and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Liquid Limit	Index
	ln	•	•		Pct	Pct	•	•	•		Pct	•
KeB:												
Kempsville	0-11	Loamy Fine Sand Fine Sandy Loam	CL-ML ML SC-SM SM	A-2 A-4	0	0	100	100	70-85	28-55	12-20	NP-4
	11-40	Loam Fine Sandy Loam Sandy Loam Sandy Clay Loam	CL ML SC SC-SM SM	A-2 A-4	0	0	100	100	60-90	30-55	18-38	3-14
	40-79	Sand Fine Sand Loamy Sand Sandy Loam Fine Sandy Loam Loamy Fine Sand	ML SM	A-2	0	0	100	100	50-85	5-55	9-25	NP-7
Sassafras												
Woodstown												

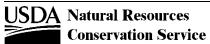
KtA:



Map Symbol			Classi	fication	Fragi	ments	Per	cent Passin	g Sieve Nun	nber	Liquid	Plasticity
and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Limit	Index
	In				Pct	Pct					Pct	
KtA:												
Kempsville	0-11	Loamy Fine Sand Fine Sandy Loam	CL-ML ML SC-SM SM	A-2 A-4	0	0	100	100	50-85	15-55	12-20	NP-4
	11-40	Loam Fine Sandy Loam Sandy Loam Sandy Clay Loam	CL ML SC SC-SM SM	A-2 A-4	0	0	100	100	60-90	30-55	18-38	3-14
	40-79	Sand Loamy Sand Fine Sand Loamy Fine Sand Sandy Loam Fine Sandy Loam	ML SM	A-2	0	0	100	100	50-85	5-55	9-25	NP-7
Woodstown												
Bertie												
KyA:												
Keyport	0-8	Very Fine Sandy Loam Silt Loam	CL CL-ML ML	A-4	0	0	100	100	85-100	50-90	16-30	2-10
	8-37	Silty Clay Clay	CH CL MH ML	A-7	0	0	100	100	90-100	75-95	43-61	17-27
	37-79	Loam Sandy Loam Sandy Clay Loam	CL CL-ML SC SC-SM	A-2 A-4 A-6	0	0	100	100	60-95	30-75	13-38	NP-14



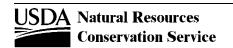
Mars Corrected			Classi	fication	Frag	ments	Per	cent Passin	g Sieve Nun	nber	Liamid	Diestisite
Map Symbol and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	- Liquid Limit	Plasticity Index
	ln				Pct	Pct					Pct	
KyA: Woodstown												
Bertie												
Elkton												
KyD2:												
Keyport	0-8	Silt Loam	CL CL-ML	A-4	0	0	95-100	90-100	80-100	65-90	22-41	6-17
	8-37	Clay Clay Loam Silty Clay Loam	CH CL MH ML	A-6 A-7	0	0	95-100	90-100	80-100	65-95	35-55	10-30
	37-79	Stratified Loamy Sand To Clay Sandy Clay Loam	CL CL-ML SC SC-SM	A-2 A-4 A-6 A-7	0	0	95-100	90-100	45-100	15-95	16-57	2-36
Woodstown												
Bertie												
Elkton												
Ma:												
Mixed alluvial land	0-8	Silt Loam Very Fine Sandy Loam Loam Fine Sandy Loam	CL CL-ML ML	A-4	0	0	100	100	70-100	40-90	16-30	2-10
	8-37	Loam Fine Sandy Loam Silt Loam	CL ML	A-4	0	0	100	100	70-100	40-90	16-30	2-10



Mathews County, Virginia

Map Symbol			Classi	fication	Fragi	ments	Per	cent Passin	g Sieve Nun	nber	Liquid	Diagticity
and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Liquid Limit	Plasticity Index
Ma:	In				Pct	Pct					Pct	
Elkton												
Fallsington												
SaA: Sassafras	0-8 8-36 36-70	Loamy Fine Sand Fine Sandy Loam Sandy Loam Sandy Clay Loam Loam Fine Sandy Loam Loamy Fine Sand Sand Loamy Sand	SC-SM SM CL CL-ML SC SC-SM SC-SM SM SP-SM	A-2 A-4 A-2 A-4 A-2 A-3 A-4	0 0	0 0	100 100 100	100 100 100	70-85 60-95 50-85	28-55 30-75 5-55	10-23 23-31 9-25	NP-6 6-10 NP-5
Woodstown												
Kempsville												
Fallsington												

SaB2:

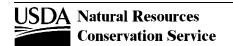


Map Symbol			Classi	fication	Fragi	nents	Per	cent Passino	g Sieve Nun	nber	Liquid	Plasticity
and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Limit	Index
-	ln	•		•	Pct	Pct	•		•	•	Pct	
SaB2:												
Sassafras	0-8	Fine Sandy Loam	SC SC-SM SM	A-2 A-4	0	0	100	100	50-85	25-55	12-32	NP-10
	8-36	Sandy Clay Loam	CL	A-2	0	0	100	100	50-95	25-75	20-33	5-15
		Loam	CL-ML	A-4								
		Sandy Loam	SC	A-6								
	36-70	Sand	SC-SM SC	A-1	0	0	85-100	80-100	30-90	5-55	15-26	NP-8
	30-70	Loamy Fine Sand	SC-SM	A-1 A-2	U	U	65-100	60-100	30-90	5-55	15-26	INP-0
		Loamy Sand	SM	A-3								
		Fine Sandy Loam	SP-SM	A-4								
		, . ,										
Woodstown												
Kempsville												
Fallsington												
SdA:												
Sassafras	0-8	Fine Sandy Loam Loamy Fine Sand	ML SM	A-4	0	0	100	100	70-85	28-55	9-23	NP-6
	8-36	Sandy Loam	CL	A-2	0	0	100	100	50-95	25-75	20-33	5-15
		Sandy Clay Loam	CL-ML	A-4								
		Loam	SC	A-6								
			SC-SM									
	36-70	Loamy Fine Sand	SC	A-1	0	0	85-100	80-100	30-90	5-55	15-26	NP-8
		Fine Sandy Loam Loamy Sand	SC-SM SM	A-2 A-3								
		Sand	SIVI SP-SM	A-3 A-4								
			O. O.W	,,,,								
Woodstown												

Mathews County, Virginia

Mars Oranghad			Classi	fication	Fragi	ments	Per	cent Passin	g Sieve Nun	nber	Limital	Disatisit
Map Symbol and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Liquid Limit	Plasticity Index
	In	•			Pct	Pct	<u> </u>				Pct	<u> </u>
SdA:												
Kempsville												
Fallsington												
SsD:												
Sloping sandy land	0-6	Sand	SC-SM	A-2-4	0	0	100	100	50-80	5-35	8-10	NP-3
		Fine Sand	SM	A-3								
	6-60	Fine Sand	SC-SM	A-2-4	0	0	100	100	50-80	5-35	8-10	NP-3
		Sand	SM	A-3								
			SP-SM									
Steep sandy land												
StE:												
Steep sandy land	0-6	Sand	SC-SM	A-2-4	0	0	100	100	50-80	5-35	8-10	NP-3
•		Fine Sand	SM	A-3								
	6-60	Sand	SC-SM	A-2-4	0	0	100	100	50-80	5-35	8-10	NP-3
		Fine Sand	SM	A-3								
			SP-SM									
sloping sandy land												

Th:



Map Symbol			Classi	fication	Frag	ments	Per	cent Passin	g Sieve Nun	nber	Liquid	Plasticity
and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Limit	Index
	In		•	•	Pct	Pct			•	•	Pct	
Th:												
Tidal marsh	0-13	Mucky Fine Sandy Loam	SC-SM SM	A-2-5	0	0	100	100	60-100	30-90	25-85	1-11
		Mucky Sandy Loam Mucky Loam	SIVI	A-4 A-6								
		Mucky Silt Loam		74-0								
	13-40	Mucky Sandy Loam	ML	A-2-4	0	0	100	100	60-95	30-75	20-66	1-10
		Mucky Loam	OL	A-4								
			SC-SM	A-5								
			SM									
	40-80	Mucky Sandy Loam	ML	A-2-4	0	0	100	100	50-100	5-95	20-52	1-10
		Coarse Sand	OL SC-SM	A-4								
		Mucky Silty Clay Loam Mucky Sandy Clay Loam	SC-SM SM									
		Mucky Sandy Clay Loan	SP-SM									
			0. 0									
Tidal Marsh												
Coastal Beach												
То:												
Tidal marsh	0-20	Mucky Silty Clay	CL	A-6	0	0	100	98-100	90-100	80-95	40-90	16-25
		Mucky Clay	ML	A-7								
		Mucky Silty Clay Loam	OL									
	20-60	Clay Loam	СН	A-7	0	0	100	98-100	90-100	80-95	40-90	22-39
		Clay	MH									
		Mucky Silty Clay	ML OH									
			OH									
	60-80	Sand	CH	A-1	0	0	99-100	98-100	49-100	5-95	15-90	1-39
	00 00	Silt Loam	CL-ML	A-2-4	J	J	55 155	50 100	40 100	0 00	10 00	1 00
		Clay	MH	A-7								
		Mucky Silty Clay Loam	ML									
			ОН									
			SW-SM									



Map Symbol			Classi	fication	Fragr	nents	Per	cent Passin	g Sieve Nun	nber	Liquid	Plasticity
and Soil Name	Depth	USDA Texture	Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200	Limit	Index
	In		•	•	Pct	Pct		•		•	Pct	•
To:												
Tidal Marsh												
Coastal Beach												
W:												
Inland water												
WATER:												
Open water												
Wo:												
Woodstown	0-9	Fine Sandy Loam Loamy Fine Sand	SC-SM SM	A-2 A-4	0	0	100	100	70-85	28-55	10-25	NP-7
	9-35	Loam Fine Sandy Loam Sandy Loam Sandy Clay Loam	CL CL-ML SC SC-SM	A-2 A-4	0	0	100	100	60-95	30-75	23-31	6-10
	35-60	Loamy Fine Sand Sandy Loam Fine Sand Loamy Sand Sand Fine Sand Fine Sandy Loam	SC-SM SC-SM SM SP-SM	A-2 A-3 A-4	0	0	100	100	50-85	5-55	10-25	NP-7
Sassafras												
Keyport												

